

**ABSTRACT**

## Analogue Probe

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A probe 8 comprises a housing 10 and a member 20  
movable with respect to the housing onto which a stylus  
12 may be mounted such that movement of the stylus  
results in movement of the member and a primary  
10 transducer 50,52 for measuring movement of the member  
relative to the housing. The member may be located in  
a precisely defined rest position 22,24 with respect to  
the housing, putting the probe in a mechanical datum  
position. For a combined transducer probe, this  
15 enables the primary transducer 52,54 to be locked  
whilst enabling use of a secondary transducer 70. The  
primary transducer outputs can be datumed whilst in  
this mechanical datum position. Drive 40,50,60 or bias  
26 means in one axis secure the member in its rest  
20 position in all axes.

Fig 7